

10/590,603

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	4	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	5	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	6	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	7	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS	8	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS	9	JUL 27	CA/CAPplus enhanced with new citing references
NEWS	10	JUL 16	GBFULL adds patent backfile data to 1855
NEWS	11	JUL 21	USGENE adds bibliographic and sequence information
NEWS	12	JUL 28	EPFULL adds first-page images and applicant-cited references
NEWS	13	JUL 28	INPADOCDB and INPAFAMDB add Russian legal status data
NEWS	14	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	15	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	16	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	17	AUG 24	CA/CAPplus enhanced with legal status information for U.S. patents
NEWS	18	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	19	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

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STRUCTURE FILE UPDATES: 16 SEP 2009 HIGHEST RN 1185221-67-3

DICTIONARY FILE UPDATES: 16 SEP 2009 HIGHEST RN 1185221-67-3

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

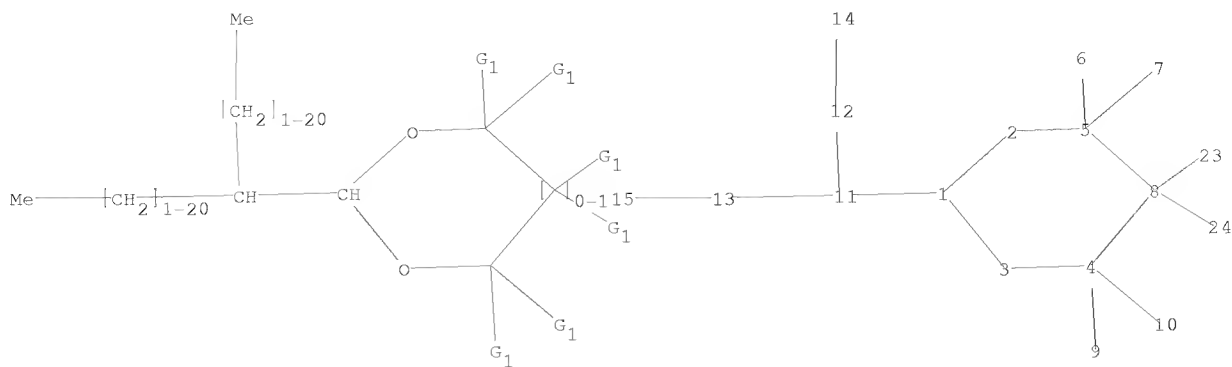
=> screen 964 AND 1006 AND 1051

L1 SCREEN CREATED

=>

Uploading H:\STNEXP4\QUERIES\10590603.str

10/590,603



```
chain nodes :
```

6 7 9 10 11 12 13 14 15 23 24

ring nodes :

1 2 3 4 5 8

chain bonds :

1-11 4-9 4-10 5-6 5-7 8-23 8-24 11-12 11-13 12-14 13-15

ring bonds :

1-2 1-3 2-5 3-4 4-8 5-8

exact/norm bonds :

4-9 4-10 5-6 5-7 8-23 8-24

exact bonds :

1-2 1-3 1-11 2-5 3-4 4-8 5-8 11-12 11-13 12-14 13-15

isolated ring systems :

```
containing 1 :
```

$$G1 : H, Ak$$

Match level :

```
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS
```

```
11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  23:CLASS  24:CLASS
```

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

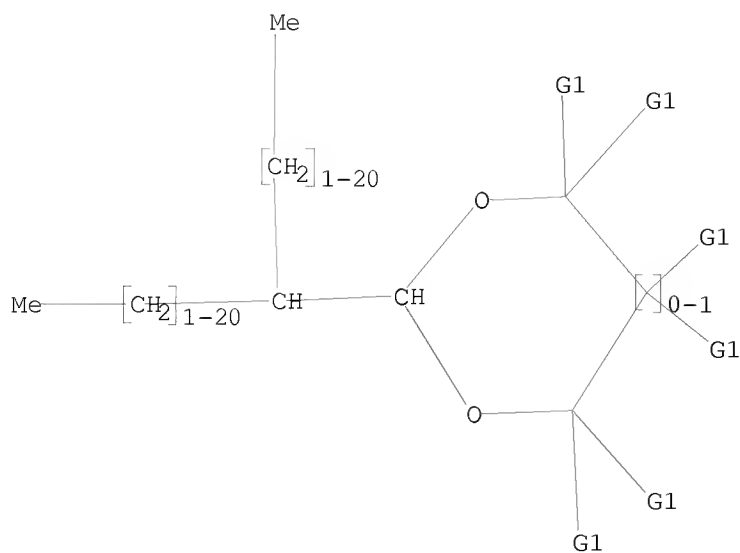
$$\Rightarrow d$$

L3 HAS NO ANSWERS

L1 SCR 964 AND 1006 AND 1051

L2 STR

10/590,603



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.
L3 QUE L2 AND L1

=> s 13

SAMPLE SEARCH INITIATED 14:06:34 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1133 TO ITERATE

100.0% PROCESSED 1133 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 20641 TO 24679

PROJECTED ANSWERS: 3 TO 163

L4 3 SEA SSS SAM L2 AND L1

=> d scan

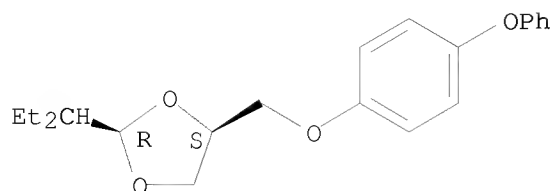
L4 3 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 1,3-Dioxolane, 2-(1-ethylpropyl)-4-[(4-phenoxyphenoxy)methyl]-, cis- (9CI)

MF C21 H26 O4

Relative stereochemistry.

10/590,603

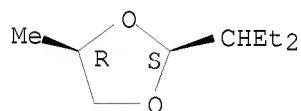


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

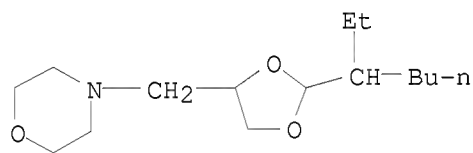
L4 3 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1,3-Dioxolane, 2-(1-ethylpropyl)-4-methyl-, (2S,4R)-
MF C9 H18 O2

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 3 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Morpholine, 4-[[2-(1-ethylpentyl)-1,3-dioxolan-4-yl]methyl]-
MF C15 H29 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file stnguide
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
4.32	4.54

FULL ESTIMATED COST

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LAST RELOADED: Sep 11, 2009 (20090911/UP).

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.14	4.68

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FILE 'REGISTRY' ENTERED AT 14:06:06 ON 17 SEP 2009

L1 SCREEN 964 AND 1006 AND 1051
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 3 S L3

FILE 'STNGUIDE' ENTERED AT 14:11:40 ON 17 SEP 2009

FILE 'REGISTRY' ENTERED AT 14:13:00 ON 17 SEP 2009

=> s l3 ful
FULL SEARCH INITIATED 14:13:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 21820 TO ITERATE

100.0% PROCESSED 21820 ITERATIONS 81 ANSWERS
SEARCH TIME: 00.00.01

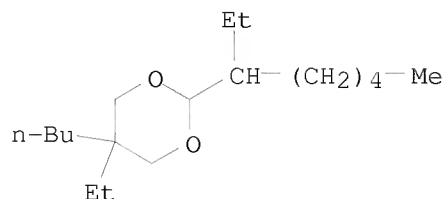
L5 81 SEA SSS FUL L2 AND L1

=> d scan

L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1,3-Dioxane, 5-butyl-5-ethyl-2-(1-ethylhexyl)-

10/590,603

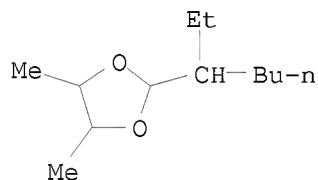
MF C18 H36 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

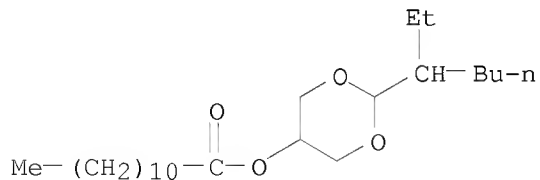
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1,3-Dioxolane, 2-(1-ethylpentyl)-4,5-dimethyl-
MF C12 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

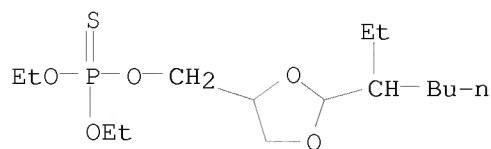
L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Dodecanoic acid, 2-(1-ethylpentyl)-1,3-dioxan-5-yl ester
MF C23 H44 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

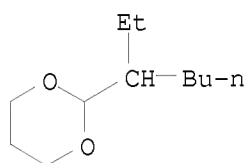
L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Phosphorothioic acid, O,O-diethyl O-[[2-(1-ethylpentyl)-1,3-dioxolan-4-yl]methyl] ester (6CI)
MF C15 H31 O5 P S

10/590,603



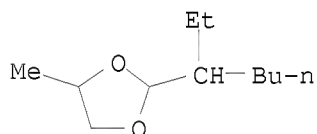
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1,3-Dioxane, 2-(1-ethylpentyl)-
MF C11 H22 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 81 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1,3-Dioxolane, 2-(1-ethylpentyl)-4-methyl-
MF C11 H22 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
186.36	191.04

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FILE COVERS 1907 - 17 Sep 2009 VOL 151 ISS 12
FILE LAST UPDATED: 16 Sep 2009 (20090916/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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L1 SCREEN 964 AND 1006 AND 1051
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 3 S L3

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FILE 'REGISTRY' ENTERED AT 14:13:00 ON 17 SEP 2009

L5 81 S L3 FUL

FILE 'CAPLUS' ENTERED AT 14:14:12 ON 17 SEP 2009

=> s 15

L6 72 L5

=> s 16 and 1700-2005/py

26321788 1700-2005/PY

L7 63 L6 AND 1700-2005/PY

=> d 1-63 ti

L7 ANSWER 1 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

TI Methods for stabilizing ingredients within cosmetics, personal care and household products

L7 ANSWER 2 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

TI Selective Mixed Tishchenko Reaction via Substituted 1,3-Dioxan-4-ols

- L7 ANSWER 3 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI 2-(3-heptyl)-1,3-dioxolane
- L7 ANSWER 4 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Heterogeneously Catalysed Synthesis of New 3-Alkoxypropionic Acids from Substituted 1,3-Dioxanes
- L7 ANSWER 5 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Highly Diastereoselective Pinacol Coupling of Secondary Aliphatic Aldehydes Induced by a Catalytic System Consisting of Vanadium Complex, Chlorosilane, and Zinc Metal. [Erratum to document cited in CA128:282474]
- L7 ANSWER 6 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Cp₂TiCl₂-catalyzed pinacol-type coupling of aliphatic aldehydes by use of zinc and chlorosilane
- L7 ANSWER 7 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Highly Diastereoselective Pinacol Coupling of Secondary Aliphatic Aldehydes Induced by a Catalytic System Consisting of Vanadium Complex, Chlorosilane, and Zinc Metal
- L7 ANSWER 8 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Acetals by AlFe-pillared montmorillonite catalysis
- L7 ANSWER 9 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Fragrant acetals based on C₈-aldehydes and polyhydric alcohols
- L7 ANSWER 10 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI A Novel Catalytic System for One-Electron Reduction. Low Valent Vanadium-Catalyzed Coupling of Aldehydes
- L7 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Direct synthesis of chiral acetals from carbonyl compounds and chiral diols: sequential one-pot asymmetric silylcyanation reaction catalyzed by scandium(III) triflate
- L7 ANSWER 12 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Manufacture of chemically degradable alkyloxirane block copolymers for surfactants
- L7 ANSWER 13 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Manufacture of 1,3-dioxane derivative-initiated alkyloxirane-oxirane block copolymers
- L7 ANSWER 14 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Derivatives of glycerol as components of fuels
- L7 ANSWER 15 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Methyl α,α -dichloro-esters by oxidation-chlorination of cyclic acetals with trichloroisocyanuric acid
- L7 ANSWER 16 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI New type of nonionic surfactants obtained by oxyethylenation of condensation products of 2-ethylhexenal and 1,1,1-tris(hydroxymethyl)propane
- L7 ANSWER 17 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Electron transfer photoinduced cleavage of acetals. A mild preparation of alkyl radicals

- L7 ANSWER 18 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Synthesis of 3-alkoxyalkanoic esters from acetals. A novel application of Reformatsky reagents in asymmetric synthesis
- L7 ANSWER 19 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Carbon-13 NMR spectra of 1,3-dioxolane and 1,3-dioxane derivatives
- L7 ANSWER 20 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Use of 2,2-dimethylpropane-1,3-diol in the synthesis of fragrances
- L7 ANSWER 21 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Condensation of Reformatskii reagents with acetals in the presence of titanium tetrachloride. A novel entry to enantiomerically enriched β -hydroxy esters
- L7 ANSWER 22 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Stereoisomeric flavor compounds. Part XXVI. HRGC-analysis of chiral 1,3-dioxolanes
- L7 ANSWER 23 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Preparation of 4-oxa aldehydes by isomerization of 1,3-dioxanes
- L7 ANSWER 24 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Liquid hypochlorite bleaching compositions containing odor-masking cyclic ethers
- L7 ANSWER 25 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Malonate derivatives useful as light stabilizers for plastics
- L7 ANSWER 26 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Tartrate compounds useful as light stabilizers for plastics
- L7 ANSWER 27 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Conversion of 1,3-dioxanes to 4-oxa aldehydes
- L7 ANSWER 28 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Carbonyl compounds and alkenols with eight carbons in the molecule
- L7 ANSWER 29 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Alkylated derivatives of 1,3-dioxolane
- L7 ANSWER 30 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Antimicrobial activity and toxic properties of alkyl-1,3-dioxolanes
- L7 ANSWER 31 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Monoethylene glycol monoethers by hydrogenolysis of cyclic acetals
- L7 ANSWER 32 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Some conversions of isomeric epoxyoctanes in acidic medium. I. Analysis of reaction products
- L7 ANSWER 33 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Some conversions of isomeric epoxyoctanes in an acidic medium. II
- L7 ANSWER 34 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Dioxolane derivatives
- L7 ANSWER 35 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Applications of phase transfer catalysis. II. Synthesis of

2-(dihalomethyl)-1,3-dioxolanes and 2-(dihalomethyl)-1,3-dioxanes

- L7 ANSWER 36 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Reaction of some diols with aldehydes
- L7 ANSWER 37 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Gas chromatographic determination of the saturated vapor pressure of perfume substances
- L7 ANSWER 38 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Dioxolane derivatives
- L7 ANSWER 39 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Synthesis of cyclic acetals and a perfumery evaluation of their odor
- L7 ANSWER 40 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI 4,7-Dihydro-2-(3-pentyl)-1,3-dioxepin as a flavorant
- L7 ANSWER 41 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Acetals and ketals of 1-phenyl-1,2-ethanediol
- L7 ANSWER 42 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Sensory properties of acetals and ketals of 1-phenyl-1,2-ethanediol
- L7 ANSWER 43 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Direct formation of oxetanes by pyrolysis of diprimary diols in the presence of catalysts
- L7 ANSWER 44 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Neopentyllic rearrangement of 2,2-disubstituted-1,3-propanediols in acid
- L7 ANSWER 45 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Cycloacetals and cycloketal esters
- L7 ANSWER 46 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Acid-catalyzed dehydration of 2,2-dimethylpropane-1,3-diol and other 2,2-disubstituted propane-1,3-diols. III. Dehydration of aliphatic β -diols
- L7 ANSWER 47 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Preparation of 1,3-dioxolanes from aldehydes and epoxides in neutral medium
- L7 ANSWER 48 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Detergents containing alkylated 1,3-dioxanes for pleasant odor
- L7 ANSWER 49 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Excited states in the photolysis of carbonyl compounds. The photosensitized decomposition of benzophenone
- L7 ANSWER 50 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Acetals and ketals of 1,3-diols
- L7 ANSWER 51 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Determination of acetyl groups in acetylated glucides
- L7 ANSWER 52 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
 TI Laboratory evaluation of promising compounds as repellents to flour beetles, *Tribolium* species

10/590,603

L7 ANSWER 53 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Organic phosphate pesticides

L7 ANSWER 54 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Preparation of 1,3-Dioxolanes

L7 ANSWER 55 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Effect of promising insect repellents on plastics and paints

L7 ANSWER 56 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Tests of repellents against tabanids

L7 ANSWER 57 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Liquid-phase reactions between free radicals and aldehydes. Catalysis of decarbonylation by means of thiols

L7 ANSWER 58 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Catalysis with cation-exchange resins: preparation of 1,3-dioxolanes and 1,3,6-trioxocanes

L7 ANSWER 59 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Infrared spectra for analysis of aldehyde and ketone 2,4-dinitrophenylhydrazones

L7 ANSWER 60 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI The paralyzing activity of some substituted dioxolanes in relation to their structure

L7 ANSWER 61 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Determination of carbonyl compounds in the presence of organic acids

L7 ANSWER 62 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI More effective mosquito repellents tested at the Orlando, Fla., Laboratory, 1942-47

L7 ANSWER 63 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
TI Cyclic acetals of unsaturated aldehydes

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.18	219.22

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.98	220.20

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FILE COVERS 1907 - 17 Sep 2009 VOL 151 ISS 12
FILE LAST UPDATED: 16 Sep 2009 (20090916/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

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L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 3 S L3

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FILE 'REGISTRY' ENTERED AT 14:13:00 ON 17 SEP 2009

L5 81 S L3 FUL

FILE 'CAPLUS' ENTERED AT 14:14:12 ON 17 SEP 2009

L6 72 S L5
L7 63 S L6 AND 1700-2005/PY

FILE 'STNGUIDE' ENTERED AT 14:16:48 ON 17 SEP 2009

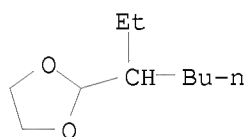
FILE 'CAPLUS' ENTERED AT 14:25:18 ON 17 SEP 2009

=> d 17 3,8,9,11,13,22,24,29,30,34,36,38,39,47,48,50,54,63 bib fhitr

L7 ANSWER 3 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2000:871768 CAPLUS

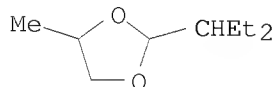
10/590,603

DN 134:105578
TI 2-(3-heptyl)-1,3-dioxolane
AU Letizia, C. S.; Cocchiara, J.; Wellington, G. A.; Funk, C.; Api, A. M.
CS Research Institute for Fragrance Materials, Inc., Hackensack, NJ, 07601, USA
SO Food and Chemical Toxicology (2000), 38(Suppl. 3), S109-S112
CODEN: FCTOD7; ISSN: 0278-6915
PB Elsevier Science Ltd.
DT Journal
LA English
IT 4359-47-1, 2-(1-Ethylpentyl)-1,3-dioxolane
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
((ethylpentyl)dioxolane as fragrance material)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1997:745376 CAPLUS
DN 128:22840
OREF 128:4479a,4482a
TI Acetals by AlFe-pillared montmorillonite catalysis
AU Cramarossa, Maria Rita; Forti, Luca; Ghelfi, Franco
CS Dip. Chim., Univ. Modena, Modena, I-41100, Italy
SO Tetrahedron (1997), 53(46), 15889-15894
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 128:22840
IT 4359-50-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of acetals by AlFe-pillared montmorillonite catalysis)
RN 4359-50-6 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpropyl)-4-methyl- (CA INDEX NAME)

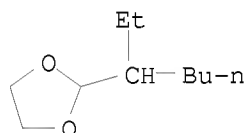


OSC.G 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1996:253428 CAPLUS
DN 125:67150

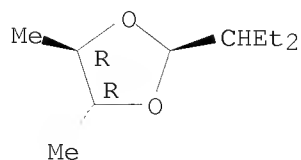
10/590,603

OREF 125:12690h,12691a
TI Fragrant acetals based on C8-aldehydes and polyhydric alcohols
AU Cerveny, Libor; Marhoul, Antonin; Peskova, Marketa
CS Dep. Org. Technol., Inst. Chem. Technol., Prague, Czech.
SO Parfuemerie und Kosmetik (1996), 77(3), 198-9
CODEN: PAKOAL; ISSN: 0031-1952
PB Huethig
DT Journal
LA English
IT 4359-47-1P
RL: BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(fragrance acetals based on C8-aldehydes and polyhydric alcs.)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)



L7 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1995:959242 CAPLUS
DN 124:175553
OREF 124:32547a,32550a
TI Direct synthesis of chiral acetals from carbonyl compounds and chiral diols: sequential one-pot asymmetric silylcyanation reaction catalyzed by scandium(III) triflate
AU Fukuzawa, Shin-ichi; Tsuchimoto, Teruhisa; Hotaka, Tsutomu; Hiyama, Tamejiro
CS Dep. Appl. Chem., Chuo Univ., Tokyo, 112, Japan
SO Synlett (1995), (10), 1077-8
CODEN: SYNLES; ISSN: 0936-5214
PB Thieme
DT Journal
LA English
OS CASREACT 124:175553
IT 173654-56-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of chiral acetals from carbonyl compds. and diols and subsequent asym. silylcyanation catalyzed by scandium triflate)
RN 173654-56-3 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpropyl)-4,5-dimethyl-,
[4R-(2 α , 4 α , 5 β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



OSC.G 47 THERE ARE 47 CAPLUS RECORDS THAT CITE THIS RECORD (47 CITINGS)

10/590,603

L7 ANSWER 13 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1995:789227 CAPLUS

DN 123:202973

OREF 123:36113a,36116a

TI Manufacture of 1,3-dioxane derivative-initiated alkyloxirane-oxirane block copolymers

IN Burczyk, Bogdan; Sokolowski, Adam

PA Politechnika Wroclawska, Pol.

SO Pol., 6 pp.

CODEN: POXXA7

DT Patent

LA Polish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	PL 163495	B1	19940429	PL 1990-285941	19900703 <--
PRAI	PL 1990-285941		19900703		
IT	167933-42-8P				

RL: IMF (Industrial manufacture); NUU (Other use, unclassified); PREP (Preparation); USES (Uses)

(manufacture of 1,3-dioxane derivative-initiated oxirane-alkyloxirane block copolymers for nontoxic surfactants)

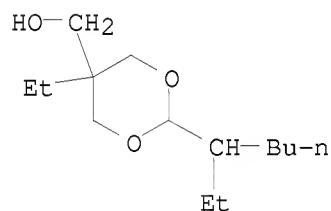
RN 167933-42-8 CAPLUS

CN Oxirane, methyl-, polymer with oxirane,
mono[[5-ethyl-2-(1-ethylpentyl)-1,3-dioxan-5-yl]methyl] ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 144482-92-8

CMF C14 H28 O3



CM 2

CRN 106392-12-5

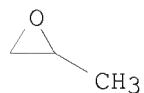
CMF (C3 H6 O . C2 H4 O)x

CCI PMS

CM 3

CRN 75-56-9

CMF C3 H6 O



10/590,603

CM 4

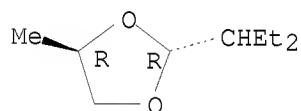
CRN 75-21-8

CMF C2 H4 O



L7 ANSWER 22 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1989:495656 CAPLUS
DN 111:95656
OREF 111:16081a,16084a
TI Stereoisomeric flavor compounds. Part XXVI. HRGC-analysis of chiral
1,3-dioxolanes
AU Mosandl, A.; Hagenauer-Hener, U.
CS Inst. Lebensmittelchem., Univ. Frankfurt, Frankfurt, D-6000/11, Fed. Rep.
Ger.
SO HRC & CC, Journal of High Resolution Chromatography and Chromatography
Communications (1988), 11(10), 744-9
CODEN: HCJCDB; ISSN: 0344-7138
DT Journal
LA English
IT 121951-43-7
RL: PROC (Process)
(chiral complexation gas chromatog. of)
RN 121951-43-7 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpropyl)-4-methyl-, (2R,4R)- (CA INDEX NAME)

Absolute stereochemistry.



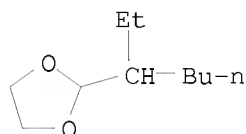
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 24 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1988:77681 CAPLUS
DN 108:77681
OREF 108:12835a,12838a
TI Liquid hypochlorite bleaching compositions containing odor-masking cyclic
ethers
IN Izumi, Yu; Takechi, Masayasu
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62205200	A	19870909	JP 1986-45688	19860303 <--
	JP 03043320	B	19910702		

10/590,603

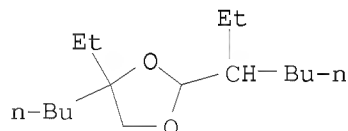
PRAI JP 1986-45688 19860303
IT 4359-47-1
RL: USES (Uses)
(odor-masking agents, for sodium hypochlorite in bleach solution)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 29 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:611125 CAPLUS
DN 101:211125
OREF 101:31991a,31994a
TI Alkylated derivatives of 1,3-dioxolane
IN Hrusovsky, Mikulas; Cvengrosova, Zuzana; Fancovic, Karol; Malik, Lubomir;
Holotik, Stefan; Rendos, Martin; Zubacova, Jana; Sebikova, Viera
PA Czech.
SO Czech., 5 pp.
CODEN: CZXXA9
DT Patent
LA Slovak
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 212128	B1	19820226	CS 1980-7269	19801028 <--
PRAI	CS 1980-7269		19801028		
IT	89000-61-3P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	89000-61-3 CAPLUS				
CN	1,3-Dioxolane, 4-butyl-4-ethyl-2-(1-ethylpentyl)-				(CA INDEX NAME)

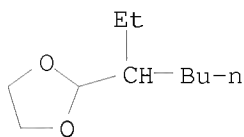


OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 30 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:204867 CAPLUS
DN 100:204867
OREF 100:31037a,31040a
TI Antimicrobial activity and toxic properties of alkyl-1,3-dioxolanes
AU Migukina, N. V.; Yanson, V. A.
CS VNIISNDV, USSR
SO Maslozhirovaya Promyshlennost (1984), (2), 22-3
CODEN: MZPYAE; ISSN: 0025-4649
DT Journal

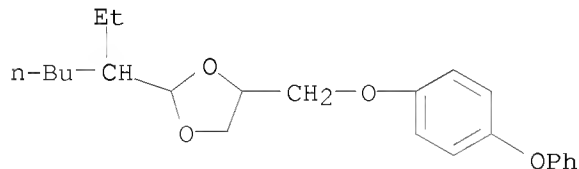
10/590,603

LA Russian
IT 4359-47-1
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(bactericidal activity of)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)



L7 ANSWER 34 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1981:84094 CAPLUS
DN 94:84094
OREF 94:13721a,13724a
TI Dioxolane derivatives
IN Farooq, Saleem; Karrer, Friedrich
PA Ciba-Geigy A.-G., Switz.
SO Can., 37 pp.
CODEN: CAXXA4
DT Patent
LA English
FAN.CNT 1

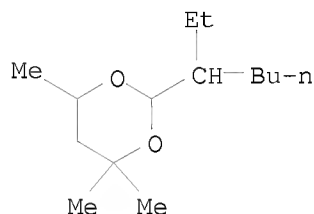
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	CA 1082718		19800729	CA 1976-267590	19761210 <--
PRAI	CH 1975-16153		19751212		
IT	63837-40-1P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	63837-40-1 CAPLUS				
CN	1,3-Dioxolane, 2-(1-ethylpentyl)-4-[(4-phenoxyphenoxy)methyl]- (CA INDEX NAME)				



L7 ANSWER 36 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1978:443271 CAPLUS
DN 89:43271
OREF 89:6721a,6724a
TI Reaction of some diols with aldehydes
AU Filippova, G. M.; Kizyakova, L. P.; Solov'eva, N. P.; Andreev, V. M.
CS Vses. Nauchno-Issled. Inst. Sint. Nat. Dushistykh Veshchestv, Selo Vorontsovo, USSR
SO Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (1978), 23(2), 228-9

10/590,603

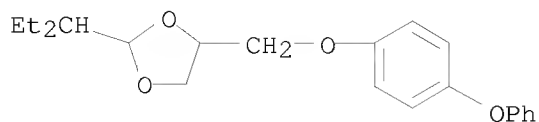
CODEN: ZVKOA6; ISSN: 0373-0247
DT Journal
LA Russian
IT 66802-59-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 66802-59-3 CAPLUS
CN 1,3-Dioxane, 2-(1-ethylpentyl)-4,4,6-trimethyl- (CA INDEX NAME)



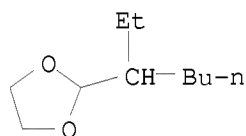
L7 ANSWER 38 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1977:502310 CAPLUS
DN 87:102310
OREF 87:16246h,16247a
TI Dioxolane derivatives
IN Farooq, Saleem; Karrer, Friedrich
PA Ciba-Geigy A.-G., Switz.
SO Ger. Offen., 40 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 2655910	A1	19770616	DE 1976-2655910	19761209 <--
	NL 7613720	A	19770614	NL 1976-13720	19761209 <--
	FR 2334680	A1	19770708	FR 1976-37094	19761209 <--
	FR 2334680	B1	19800314		
	BE 849269	A1	19770610	BE 1976-173139	19761210 <--
	GB 1543396	A	19790404	GB 1976-51732	19761210 <--
	SU 715007	A3	19800205	SU 1976-2427053	19761210 <--
	IL 51086	A	19800630	IL 1976-51086	19761210 <--
	CA 1082718	A1	19800729	CA 1976-267590	19761210 <--
	JP 52073870	A	19770621	JP 1976-149312	19761211 <--
PRAI	CH 1975-16153	A	19751212		
	CH 1975-16783	A	19751224		
	CH 1976-11069	A	19760901		
	CH 1976-14584	A	19761119		
OS	MARPAT 87:102310				
IT	63837-37-6P				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(preparation of)				
RN	63837-37-6 CAPLUS				
CN	1,3-Dioxolane, 2-(1-ethylpropyl)-4-[(4-phenoxyphenoxy)methyl]- (CA INDEX NAME)				

10/590,603



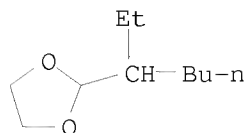
L7 ANSWER 39 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1977:95863 CAPLUS
DN 86:95863
OREF 86:15091a,15094a
TI Synthesis of cyclic acetals and a perfumery evaluation of their odor
AU Filippova, G. M.; Kizyakova, L. P.; Bel'fer, A. G.; Solov'eva, N. P.;
Andreev, V. M.
CS Vses. Nauchno-Issled. Inst. Sint. Nat. Dushistykh Veshchestv, Selo
Vorontsovo, USSR
SO Maslozhirovaya Promyshlennost (1976), (6), 30-2
CODEN: MZPYAE; ISSN: 0025-4649
DT Journal
LA Russian
IT 4359-47-1P
RL: BIOL (Biological study); PREP (Preparation)
(preparation of, for perfumes)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 47 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1968:59462 CAPLUS
DN 68:59462
OREF 68:11491a,11494a
TI Preparation of 1,3-dioxolanes from aldehydes and epoxides in neutral
medium
AU Nerdel, Friedrich; Buddrus, Joachim; Scherowsky, Guenther; Klamann,
Dieter; Fligge, Manfred
CS Tech. Univ. Berlin, Hamburg-Harburg, Fed. Rep. Ger.
SO Justus Liebigs Annalen der Chemie (1967), 710, 85-9
CODEN: JLACBF; ISSN: 0075-4617
DT Journal
LA German
IT 4359-47-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 4359-47-1 CAPLUS
CN 1,3-Dioxolane, 2-(1-ethylpentyl)- (CA INDEX NAME)

10/590,603



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 48 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1965:67419 CAPLUS

DN 62:67419

OREF 62:12026d-e

TI Detergents containing alkylated 1,3-dioxanes for pleasant odor

PA Unilever Ltd.

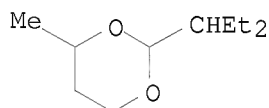
SO 9 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 981285		19650120	GB 1963-35005	19630904 <--
PRAI	US		19620904		
IT	3080-71-5, m-Dioxane, 2-(1-ethylpropyl)-4-methyl- (as perfume for Cl-releasing cleaning comps.)				
RN	3080-71-5 CAPLUS				
CN	1,3-Dioxane, 2-(1-ethylpropyl)-4-methyl- (CA INDEX NAME)				



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 50 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1962:52860 CAPLUS

DN 56:52860

OREF 56:9948b-f

TI Acetals and ketals of 1,3-diols

AU Conrad, Walter E.; Gesner, Bruce D.; Levasseur, Leonard A.; Murphy, Raymond F.; Conrad, Helen M.

CS Bradford Durfee Coll. of Technol., Fall River, MA

SO Journal of Organic Chemistry (1961), 26, 3571-4

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA Unavailable

OS CASREACT 56:52860

IT 93476-22-3P, m-Dioxane, 2-(1-ethylpentyl)-5,5-dimethyl-

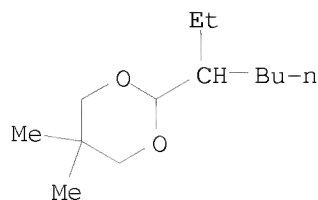
RL: PREP (Preparation)

(preparation of)

RN 93476-22-3 CAPLUS

CN 1,3-Dioxane, 2-(1-ethylpentyl)-5,5-dimethyl- (CA INDEX NAME)

10/590,603



OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L7 ANSWER 54 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1956:82269 CAPLUS

DN 50:82269

OREF 50:15592f-h

TI Preparation of 1,3-Dioxolanes

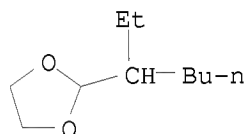
PA Olin Mathieson Chemical Corp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	GB 739022		19551026	GB 1953-24131	19530901 <--
IT	4359-47-1P, 1,3-Dioxolane, 2-(1-ethylpentyl)-				
	RL: PREP (Preparation)				
	(preparation of)				
RN	4359-47-1 CAPLUS				
CN	1,3-Dioxolane, 2-(1-ethylpentyl)-			(CA INDEX NAME)	



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 63 OF 63 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1946:5267 CAPLUS

DN 40:5267

OREF 40:898i,899a-d

TI Cyclic acetals of unsaturated aldehydes

IN Senkus, Murray

PA Commercial Solvents Corp.

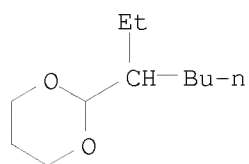
DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2383622		19450828	US 1943-487335	19430517 <--
IT	127932-58-5P, m-Dioxane, 2-(1-ethylamyl)-				
	RL: PREP (Preparation)				
	(preparation of)				
RN	127932-58-5 CAPLUS				
CN	1,3-Dioxane, 2-(1-ethylpentyl)-			(CA INDEX NAME)	

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=> d his

(FILE 'HOME' ENTERED AT 14:05:56 ON 17 SEP 2009)

FILE 'REGISTRY' ENTERED AT 14:06:06 ON 17 SEP 2009

L1 SCREEN 964 AND 1006 AND 1051
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 3 S L3

FILE 'STNGUIDE' ENTERED AT 14:11:40 ON 17 SEP 2009

FILE 'REGISTRY' ENTERED AT 14:13:00 ON 17 SEP 2009
L5 81 S L3 FUL

FILE 'CAPLUS' ENTERED AT 14:14:12 ON 17 SEP 2009

L6 72 S L5
L7 63 S L6 AND 1700-2005/PY

FILE 'STNGUIDE' ENTERED AT 14:16:48 ON 17 SEP 2009

FILE 'CAPLUS' ENTERED AT 14:25:18 ON 17 SEP 2009

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	71.02	291.22

FILE 'STNGUIDE' ENTERED AT 14:26:41 ON 17 SEP 2009

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 11, 2009 (20090911/UP).

=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	291.64

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:30:07 ON 17 SEP 2009